Technical sheet :



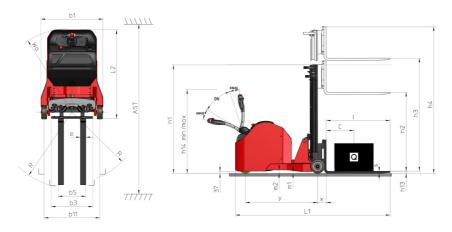




|       | Technical characteristics                               |          |
|-------|---|----------|
| 1.1   | Manufacturer  |          |
| 1.2   | Model Name  |          |
| 1.3   | Power source  |          |
| 1.4   | Operator type   |          |
| 1.5   | Max. capacity   | Q        |
| 1.6   | Load center of gravity                                  | c        |
| 1.8   | Distance from Load backrest to center of rear axle      | x        |
| 1.9   | Wheelbase   | у        |
|       | Weight  | ,        |
| 2.1   | Service weight  |          |
| 2.2   | Weight on front axle (laden) / rear axle (laden)        |          |
| 2.2   | Wheels  |          |
| 3.1   | Tires type  |          |
| 3.3   | Number of load wheels / Size of load wheels             |          |
| 3.5   | Number of front wheels / rear wheels                    |          |
| 3.5.2 | Number of drive wheels / Size of drive wheels           |          |
|       |   | L11      |
| 3.7   | Rear wheel gauge  | b11      |
| 4.15  | Dimensions  | h 10     |
| 4.15  | Fork height in low position                             | h13      |
| 4.19  | Overall length  | 11       |
| 4.20  | Length to face of forks                                 | 12       |
| 4.21  | Overall width   | b1       |
| 4.22  | Forks section / width / length                          | s / e /  |
| 4.24  | Fork carriage width                                     | b3       |
| 4.31  | Ground clearance below mast                             | m1       |
| 4.32  | Ground clearance at centre of wheelbase                 | m2       |
| 4.33  | Aisle Width for pallets 1000 x 1200 crossways           | Ast      |
| 4.35  | Turning radius  | Wa       |
| 4.9   | Height tiller min. / max.                               | h14 / h1 |
|       | Performances  |          |
| 5.1   | Travel speed (laden / unladen)                          |          |
| 5.2   | Lifting speed (laden / unladen)                         |          |
| 5.3   | Lowering speed (laden / unladen)                        |          |
| 5.8   | Max Gradeability (laden / unladen)                      |          |
| 5.10  | Service brake   |          |
|       | Engine  |          |
| 6.1   | Drive motor rating S2 60 min                            |          |
| 6.2   | Lift motor rating at S3 15%                             |          |
| 6.3   | Battery according to DIN 43531/35/36 A, B, C            |          |
| 6.4   | Battery voltage / capacity                              |          |
| 6.4.1 | Battery max. capacity                                   |          |
| 6.5   | Battery weight (+/- 5%)                                 |          |
| 6.5.1 | Battery max. weight                                     |          |
|       | Miscellaneous   |          |
| 8.1   | Type of drive control                                   |          |
| 8.4   | Sound level at the driver's ear according to DIN 12 053 |          |
|       |   |          |

| ES-C 716  | Created on May 8, 2024 at 11:21:54 PM UTC |
|-----------|---|
|           | Metric                                    |
|           | Manitou                                   |
|           | ES-C 716                                  |
|           | Electrical                                |
|           | Pedestrian                                |
| Q         | 1600 kg                                   |
| С         | 500 mm                                    |
| х         | 157 mm                                    |
| у         | 1470 mm                                   |
|           |   |
|           | 2400 kg                                   |
|           | 520 kg / 3460 kg                          |
|           |   |
|           | Polyurethane                              |
|           | 2 / 250x100                               |
|           | 1 / 2                                     |
|           | 1/254x100                                 |
| b11       | 1003 mm                                   |
|           |   |
| h13       | 45 mm                                     |
| 1         | 2790 mm                                   |
| 12        | 1640 mm                                   |
| b1        | 1120 mm                                   |
| s / e / l | 40 mm / 100 mm / 1150 mm                  |
| b3        | 750 mm                                    |
| m1        | 31 mm                                     |
| m2        | 62 mm                                     |
| Ast       | 3128 mm                                   |
| Wa        | 1660 mm                                   |
| h14 / h14 | 1088 mm / 1308 mm                         |
|           |   |
|           | 6 km/h / 6 km/h                           |
|           | 0.11 m/s / 0.20 m/s                       |
|           | 0.22 m/s / 0.21 m/s                       |
|           | 5 % / 8 %                                 |
|           | Electro magnetic                          |
|           | 2 kW                                      |
|           | 4 kW                                      |
|           | DIN 43535-B                               |
|           | 24 V / 315 Ah                             |
|           | 375 A                                     |
|           | 275 kg                                    |
|           | 300 kg                                    |
|           |   |
|           | AC  |
|           | 65 dB                                     |
|           |   |

## ES-C 716 - Dimensional drawing



## Characteristics of masts and residual capacities

| Central Cylinder Duplex (CCD)   |    | CCD 29 | CCD 34 | CCD 38 |
|---------------------------------|----|--------|--------|--------|
| h1 - Mast lowered height        | mm | 1955   | 2205   | 2405   |
| h2 - Mast free lift             | mm | 1420   | 1420   | 1420   |
| h3 - Mast lifting height        | mm | 2900   | 3400   | 3800   |
| h4 - Mast extended height       | mm | 3400   | 3960   | 4360   |
| Residual capacity at max height | kg | 1600   | 1600   | 1250   |

| Central Cylinder Simplex (CCS)  |    | CCS 15  | CCS 17 |
|---------------------------------|----|---------|--------|
| h1 - Mast lowered height        | mm | 1955    | 2205   |
| h2 - Mast free lift             | mm | 1420    | 1420   |
| h3 - Mast lifting height        | mm | 1500    | 1700   |
| h4 - Mast extended height       | mm | 2030000 | 2280   |
| Residual capacity at max height | kg | 1600    | 1600   |

| Free Lift Duplex (FLD)          |    | FLD 29 | FLD 34 |
|---------------------------------|----|--------|--------|
| h1 - Mast lowered height        | mm | 1955   | 2205   |
| h2 - Mast free lift             | mm | 1420   | 1420   |
| h3 - Mast lifting height        | mm | 2900   | 3400   |
| h4 - Mast extended height       | mm | 3460   | 3960   |
| Residual capacity at max height | kg | 1600   | 1600   |

| Free Lift Triplex (FLT)         |    | FLT 42 | FLT 47 | FLT 54  |
|---------------------------------|----|--------|--------|---------|
| h1 - Mast lowered height        | mm | 1915   | 2075   | 2315    |
| h2 - Mast free lift             | mm | 1420   | 1420   | 1420    |
| h3 - Mast lifting height        | mm | 4200   | 4700   | 5400    |
| h4 - Mast extended height       | mm | 4770   | 5250   | 5980000 |
| Residual capacity at max height | kg | 1050   | 850    | 650     |



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